

Debris Estimates

State	Buildings	General Building Formula Applied to Non-Residential Buildings			Total General Bldg Debris (Cu Yd)	Residential Building Formula Applied to Residential Buildings			Total Resident Bldg Debris (Cu Yd)
		General Building Formula (C&B)	General Building Formula (C&C)	General Building Formula (C&G)		Residential Building Formula (C&B)	Residential Building Formula (C&C)	Residential Building Formula (C&G)	
All	177,287	3,115,287	211,140	115,521	3,441,948	35,192,359	2,795,969	3,916,111	41,904,439
Ala	13,844	196,275	8,112	16,644	211,036	2,194,222	178,132	239,842	2,512,196
Ark	23,791	411,731	10,020	41,274	463,016	4,222,047	322,299	422,451	4,966,807
Cal	38	240	0	24	264	5,122	348	352	5,822
Col	119,910	4,344,211	102,890	454,424	4,899,525	10,249,467	2,461,719	4,014,368	14,725,554
Fla	77	46	0	0	93	11,429	11,322	22,751	45,502
All	177,287	3,115,287	211,140	115,521	3,441,948	35,192,359	2,795,969	3,916,111	41,904,439

Debris Estimate (Cu Yd) by County

Damage Assessment Factors

Roof	100%	Water	100%	Structural	100%
General Building Formula	1.00	Residential Formula	1.00	Other Formula	1.00
Unimpaired Factor	0.00	Residential Formula Factor	0.00	Community Area Program Co	0.00



The Role of GeoAI in the National Geospatial Strategy

Amar Nayegandhi, Senior Vice President

GeoGov Summit Sept 8, 2023

What does ChatGPT say...

GeoAI in National Geospatial Strategy

September 4, 2023

What is the role of geoai in the national geospatial strategy

As of my last knowledge update in September 2021, I can provide some general information about the role of GeoAI in national geospatial strategies. Please note that specific strategies and implementations may have evolved since then.

GeoAI, or Geographic Artificial Intelligence, plays a crucial role in national geospatial strategies by leveraging artificial intelligence and machine learning techniques to analyze and extract valuable insights from geospatial data. Here are some potential roles of GeoAI in such strategies:

- 1. Data Analysis and Interpretation:** GeoAI can process vast amounts of geospatial data, including satellite imagery, GPS data, and geographic information system (GIS) data, to identify patterns, trends, and anomalies. This helps government agencies make informed decisions for various applications, such as disaster management, urban planning, and environmental monitoring.
- 2. Predictive Modeling:** GeoAI can be used to develop predictive models for various geospatial phenomena, such as predicting natural disasters, disease outbreaks, or traffic patterns. This enables proactive planning and resource allocation.
- 3. Infrastructure Management:** National geospatial strategies often involve managing critical infrastructure. GeoAI can assist in monitoring the condition of infrastructure like bridges, roads, and pipelines using remote sensing technologies and alert authorities to maintenance needs.

- Honest
- Knowledgeable
- Dependable
- Effective Summarizer

- 4. Environmental Monitoring:** GeoAI helps in monitoring environmental changes, including deforestation, land use changes, and climate patterns. This data is essential for policymakers to make informed decisions related to conservation and sustainability.
- 5. National Security:** GeoAI aids in national security by analyzing geospatial data for intelligence purposes, border security, and identifying potential threats.
- 6. Emergency Response:** During disasters, GeoAI can provide real-time information on affected areas, helping first responders and relief agencies allocate resources effectively and coordinate rescue efforts.
- 7. Urban Planning:** GeoAI can assist in optimizing urban planning and development by analyzing population density, transportation patterns, and land use to create more efficient and sustainable cities.
- 8. Agriculture and Food Security:** GeoAI can support agriculture by providing data-driven insights on crop health, soil quality, and weather patterns, which are vital for food production and security.
- 9. Infrastructure Planning:** GeoAI can help identify suitable locations for new infrastructure projects, such as power plants, airports, and hospitals, based on geospatial data analysis.

The specific role of GeoAI in a national geospatial strategy will depend on the goals, priorities, and challenges faced by each country. Since my knowledge is not up-to-date, I recommend checking the latest documents and reports related to your country's national geospatial strategy to get a more accurate and current understanding of how GeoAI is being utilized.

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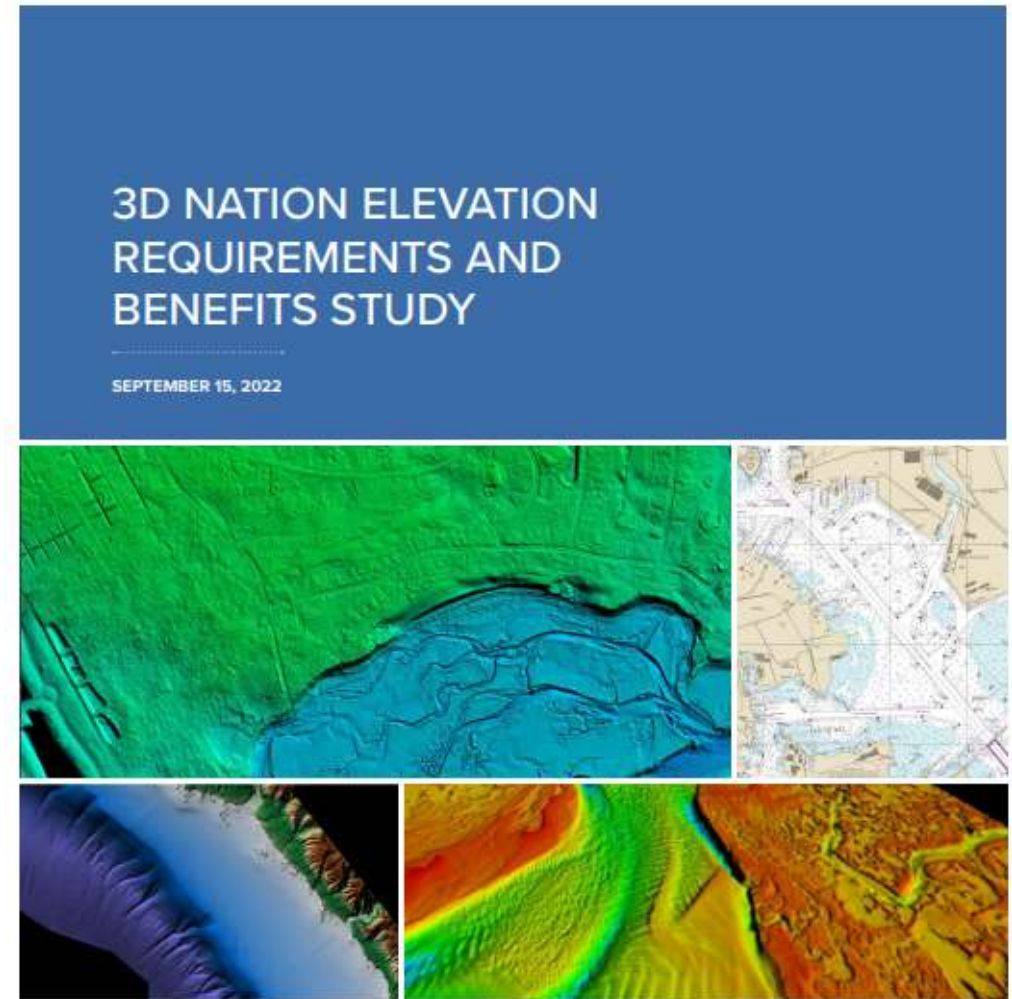
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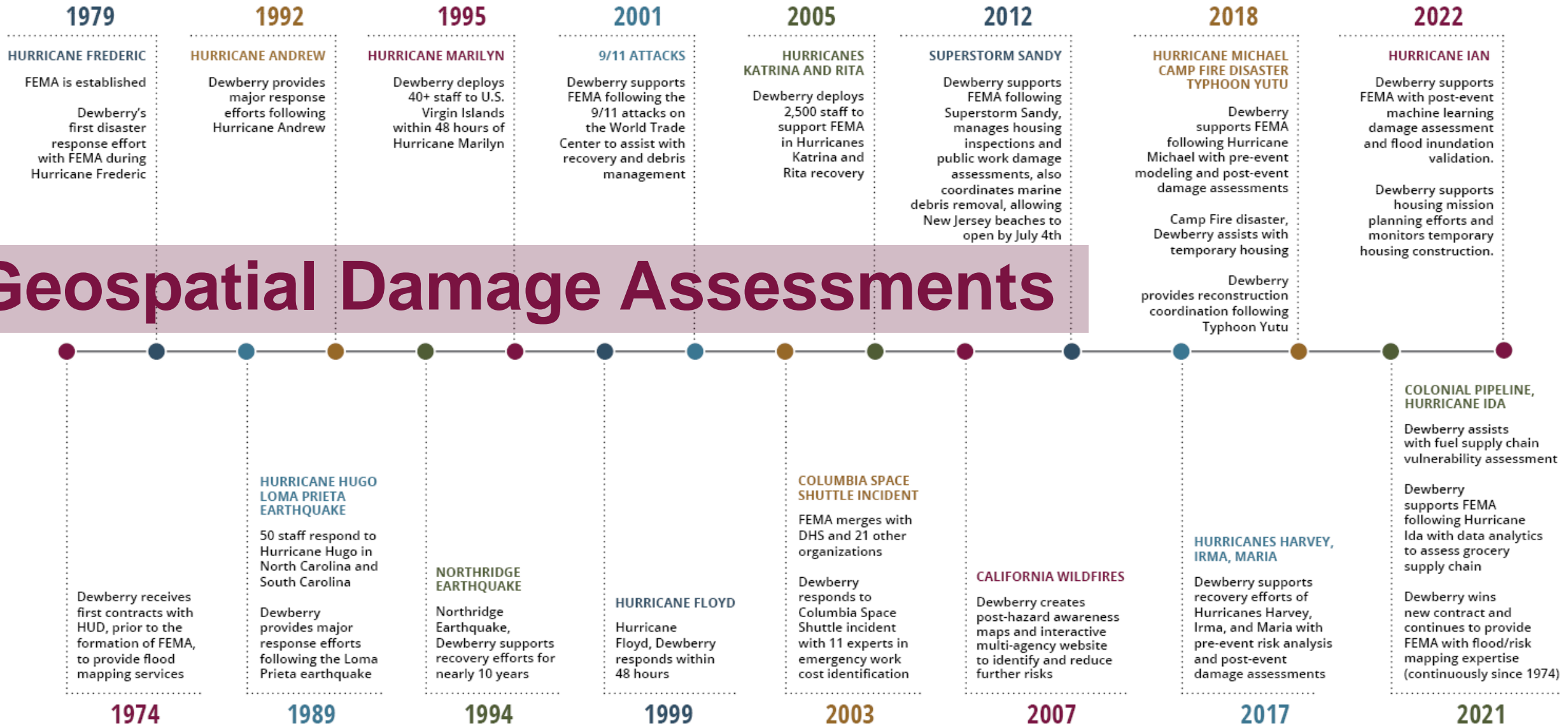


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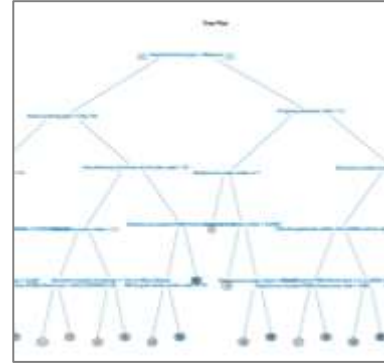
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Geospatial Damage Assessments





FIELD DAMAGE ASSESSMENTS



DATA ANALYTICS



INCORPORATE MACHINE LEARNING



DEPLOYED ANALYSTS

MODELED

3D ANALYTICS



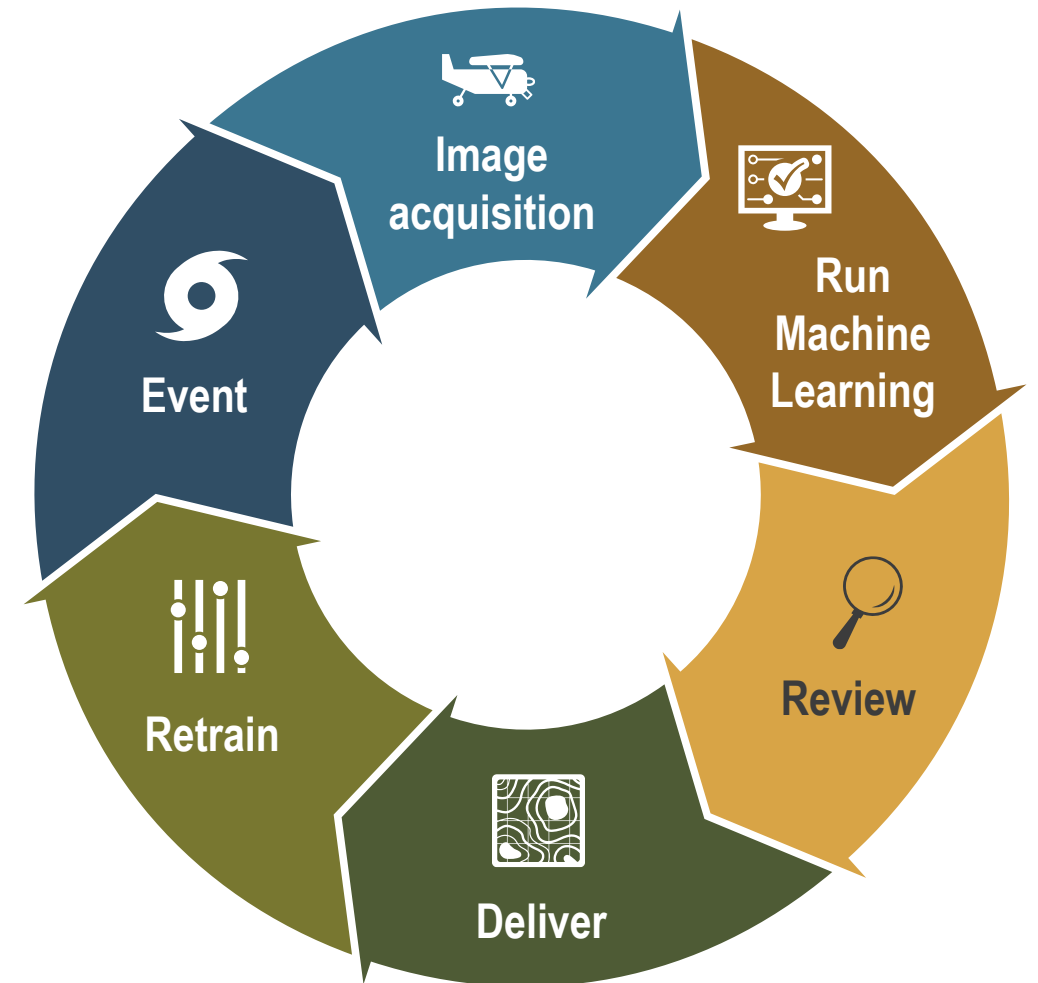
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Always Room For Improvement

GEOSPATIAL PROBLEM SOLVING

- This process involves continuous refinement
- While the solution accomplishes the goal
 - it can be further developed to become more agnostic towards external variables such as the sensor, geography, season...



GeoAI – One more tool in the toolbox?

